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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/919,649	07/31/2001	Scott D. Sturgeon	10014832-1	5746

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HEWLETT-PACKARD COMPANY  
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EXAMINER

NGHIEM, MICHAEL P

ART UNIT

PAPER NUMBER

2863

DATE MAILED: 05/28/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/919,649

Applicant(s)

STURGEON ET AL.

Examiner

Michael P Nghiem

Art Unit

2863

-- The MAILING DATE of this communication appears on the cover sheet with the corresponding address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 April 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 2,8,9,11-14,21,22 and 24-43 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-14 is/are allowed.
- 6) ☒ Claim(s) 2,8,9,21,22,24-31,34-36,38-41 and 43 is/are rejected.
- 7) ☒ Claim(s) 32,33,37 and 42 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

**DETAILED ACTION**

The Amendment filed on April 28, 2003 has been acknowledged.

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 2, 21, 22, 25, 27-31, 34-36, 38, 39, and 41 are rejected under 35 U.S.C. 102(e) as being anticipated by Santhanam et al. (US 6,290,346).

Santhanam et al. discloses all the claimed features of the invention including:

- a mechanism (Fig. 1) for establishing compatibility of an on-axis printer component (60) with a printer (printer, Fig. 1) having a carriage (carriage, Fig. 1), the mechanism comprising:

- a printer component mounting portion (61) operably secured to the carriage of the printer (Fig. 1);

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- a separate key element (107) secured to said on-axis printer component mounting portion, adjacent to said printer component (Fig. 5);
- at least one tab (tab of 100) extending from the on-axis printer component (Fig. 3a), said at least one tab positioned and oriented in a defined and unique tab pattern thereby indicating a required characteristic of the on-axis printer component (Figs. 14-23);
- said separate key element having at least one mating slot positioned and aligned to receive said at least one tab (Figs. 14, 15), thereby allowing the on-axis printer component to be operably secured to the on-axis printer mounting portion and preventing similarly shaped printer components that have a different tab pattern from being operably secured to the printer component mounting portion (Abstract, lines 3-8);
- a printhead (printhead of 60);
- an on-axis ink reservoir (reservoir of 60) in fluid communication with said printhead (Fig. 4).

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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Claims 8, 9, 24, 26, 40, and 43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Santhanam et al. in view of Gasdova et al. (US 6,017,118).

Santhanam et al. discloses all claimed limitations as discussed above except:

- said separate key element further including a display surface for visually indicating a required characteristic of the printer component;
- said display surface has a unique shape, and further including a label displaying surface indicia thereon to indicate said required characteristic of the printer component and having said unique shape for being operably secured to said display surface.

Nevertheless, Gasdova et al. discloses a separate key element (keying caps, Abstract, lines 2-4) including a display surface (Abstract, line 3) including a label displaying surface (1288, Fig. 22) for the purpose of indicating the color of ink within the ink cartridge (column 12, lines 36-44).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to provide Santhanam et al. with a separate key element including a display surface as disclosed by Gasdova et al. for the purpose of indicating the color of ink within the ink cartridge.

***Allowabl Subject Matter***

3. Claims 32, 33, 37, and 42 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. Claims 11-14 are allowed.

***Reasons For Allowance***

5. The combination as claimed wherein a discrete key element, operably secured to and separable from a mounting portion of a carriage or an on-axis printing component is not disclosed, suggested, or made obvious by the prior art of record.

***Response to Arguments***

6. Applicant's arguments filed April 29, 2003 have been fully considered but they are not persuasive in view of the discussions above.

***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See

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MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


***Contact Information***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Nghiem whose telephone number is (703) 306-3445. The examiner can normally be reached on M-H from 6:30AM – 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached at (703) 308-3126. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7724 for regular communications and (703) 308-5841 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



**MICHAEL NGHIEM**  
**PRIMARY EXAMINER**

Michael Nghiem

May 20, 2003